

# DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below adjacent to my name.

I believe I am the original and joint inventor of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

### **Accelerated Graphic Operations**

which (check)	is attached hereto.	
	and is amended by the I	Preliminary Amendment attached hereto.
	was filed on	as Application Serial No.
	and was amended on	_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Prior Foreign Application(s)				Claimed
Number Country Day/Month/Year Filed				No
N/A	N/A	N/A		

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date	
N/A	N/A	

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the

Atty. Desket No.: SP-2616 US

duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)	
N/A	N/A	N/A	

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Alan H. MacPherson (24,423); Brian D. Ogonowsky (31,988); David W. Heid (25,875); Norman R. Klivans (33,003); Edward C. Kwok (33,938); David E. Steuber (25,557); Michael Shenker (34,250); Stephen A. Terrile (32,946); Peter H. Kang (40,350); Ronald J. Meetin (29,089); Ken John Koestner (33,004); Omkar K. Suryadevara (36,320); David T. Millers (37,396); Michael P. Adams (34,763); Robert B. Morrill (43,817); James E. Parsons (34,691); Philip W. Woo (39,880); Emily Haliday (38,903); Tom Hunter (38,498); Michael J. Halbert (40,633); Gary J. Edwards (41,008); Daniel P. Stewart (41,332); John T. Winburn (26,822); Tom Chen (42,406); Fabio E. Marino (43,339); Don C. Lawrence (31,975); Marc R. Ascolese (42,268); Carmen C. Cook (42,433); David G. Dolezal (41,711); Roberta P. Saxon (43,087); Mary Jo Bertani (42,321); Dale R. Cook (42,434); Sam G. Campbell (42,381); Matthew J. Brigham (44,047); Hugh H. Matsubayashi (43,779); Patrick D. Benedicto (40,909); T.J. Singh (39,535); Shireen Irani Bacon (40,494); Rory G. Bens (44,028); George Wolken, Jr. (30,441); John A. Odozynski (28,769); Cameron K. Kerrigan (44,826); Paul E. Lewkowicz (44,870); Theodore P. Lopez (44,881); Mayankkumar M. Dixit (44,064); Eric Stephenson (38,321); Christopher Allenby (45,906); David C. Hsia (46,235); Mark J. Rozman (42,117); Margaret M. Kelton (44,182); Do Te Kim (46,231); Alex Chen (45,591); Monique M. Heyninck (44,763); Gregory J. Michelson (44,940); Jonathan Geld (44,702); Emmanuel Rivera (45,760); Jason FarHadian (42,523); Matthew J. Spark (43,453); Elaine H. Lo (41,158) and Kenneth Olsen (26,493); Timothy J. Crean (37,116); Philip J. McKay (38,966); Robert S. Hauser (37,847); Joseph T. FitzGerald (33,881); Alexander E. Silverman (37,940); Christine S. Lam (37,489); Anirma Rakshpal Gupta (38;275); and Sean Patrick Lewis (42,798).

Please address all correspondence and telephone calls to:

#### Fabio E. Marino

Attorney for Applicants

#### SKJERVEN, MORRILL, MacPHERSON, FRANKLIN & FRIEL LLP

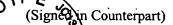
25 Metro Drive, Suite 700 San Jose, California 95110-1349

Telephone: 408-453-9200 Facsimile: 408-453-7979

I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

Atty. Docket No.: SP-2616 US

Full name of first joint inventor:  Subramania Sudhar			rsanan	
Inventor's Signature:	Silvanda	habararan	Date:	08/10/2000
Residence:	Union City, Cal	ifornia		
Post Office Address:	4340 Cambridge	e Way	Citizenship:	Sri-Lanka USA
	Union City, Cal	ifornia 94587		
Full name of second jo	int inventor:	Jeffrey Meng Wah	Chan	
Inventor's Signature:	<u> </u>		Date:	8/10/2000
Residence:	Mountain View	, California		
Post Office Address:	1984 Latham St	reet, Apt. 10	Citizenship:	Malaysian
	Mountain View	, California 94040		
Full name of third join	t inventor:	Michael F. Deering	<u> </u>	
Inventor's Signature:			Date:	
Residence:	Los Altos, Calif	fornia		
Post Office Address:	657 Cuesta Driv	ve .	Citizenship:	U.S.A.
	Los Altos, Calif	fornia 94024		
Full name of fourth join	nt inventor:	Marc Tremblay		
Inventor's Signature:	The state of the s	Jan Clary	Date:	8/10/200
Residence:	Palo Alto, Calif	ornia		, ,
Post Office Address:	801 Waverley S	treet, Apt. #3	Citizenship:	Canada
	Palo Alto, Calif	ornia 94301		
Full name of fifth joint	inventor:	Scott R. Nelson		
Inventor's Signature:			Date:	
Residence:	Pleasanton, Cali	ifornia	<del></del>	
Post Office Address:	4429 Clovewoo	d Lane	Citizenship:	U.S.A.
	Dleaganton Cali	famia 04500	•	



Attorney Docket No.: SP-2616 US





As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below adjacent to my name.

I believe I am the original and joint inventor of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

### **Accelerated Graphic Operations**

which (check)	is attached hereto.
	and is amended by the Preliminary Amendment attached hereto.
	was filed on August 16, 2000 as Application Serial No.09/640,901.
	and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Prior Foreign Application(s)				Claimed
Number Country Day/Month/Year Filed				No
N/A	N/A	N/A		$\boxtimes$

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date	
N/A	N/A	

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the

Atty. Docket No.: SP-2616 US

duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)	
N/A	N/A	N/A	

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Alan H. MacPherson (24,423); Brian D. Ogonowsky (31,988); David W. Heid (25,875); Norman R. Klivans (33,003); Edward C. Kwok (33,938); David E. Steuber (25,557); Michael Shenker (34,250); Stephen A. Terrile (32,946); Peter H. Kang (40,350); Ronald J. Meetin (29,089); Ken John Koestner (33,004); Omkar K. Suryadevara (36,320); David T. Millers (37,396); Michael P. Adams (34,763); Robert B. Morrill (43,817); James E. Parsons (34,691); Philip W. Woo (39,880); Emily Haliday (38,903); Tom Hunter (38,498); Michael J. Halbert (40,633); Gary J. Edwards (41,008); Daniel P. Stewart (41,332); John T. Winburn (26,822); Tom Chen (42,406); Fabio E. Marino (43,339); Don C. Lawrence (31,975); Marc R. Ascolese (42,268); Carmen C. Cook (42,433); David G. Dolezal (41,711); Roberta P. Saxon (43,087); Mary Jo Bertani (42,321); Dale R. Cook (42,434); Sam G. Campbell (42,381); Matthew J. Brigham (44,047); Hugh H. Matsubayashi (43,779); Patrick D. Benedicto (40,909); T.J. Singh (39,535); Shireen Irani Bacon (40,494); Rory G. Bens (44,028); George Wolken, Jr. (30,441); John A. Odozynski (28,769); Cameron K. Kerrigan (44,826); Paul E. Lewkowicz (44,870); Theodore P. Lopez (44,881); Mayankkumar M. Dixit (44,064); Eric Stephenson (38,321); Christopher Allenby (45,906); David C. Hsia (46,235); Mark J. Rozman (42,117); Margaret M. Kelton (44,182); Do Te Kim (46,231); Alex Chen (45,591); Monique M. Heyninck (44,763); Gregory J. Michelson (44,940); Jonathan Geld (44,702); Emmanuel Rivera (45,760); Jason FarHadian (42,523); Matthew J. Spark (43,453); Elaine H. Lo (41,158) Jon Hallman (42,622); Robert Strawbrich (36,692); Rita M. Wisor (41,382); Gregory Powell (47,005); Mark E. Schmidt (47,063); Rachel V. Leiterman (46,868) and Kenneth Olsen (26,493); Timothy J. Crean (37,116); Philip J. McKay (38,966); Robert S. Hauser (37,847); Joseph T. FitzGerald (33,881); Alexander E. Silverman (37,940); Christine S. Lam (37,489); Anirma Rakshpal Gupta (38;275); and Sean Patrick Lewis (42,798).

Please address all correspondence and telephone calls to:

## Fabio E. Marino Attorney for Applicants

SKJERVEN, MORRILL, MacPHERSON, FRANKLIN & FRIEL LLP

25 Metro Drive, Suite 700 San Jose, California 95110-1349

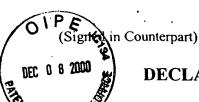
Telephone: 408-453-9200 Facsimile: 408-453-7979

I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001,

Atty. Docket No.: SP-2616 US

and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

Full name of first joint inventor:		Subramania Sudharsa	nan	
Inventor's Signature:			Date:	
Residence:	Union City, Californ	nia	-	- AL.
Post Office Address:	4340 Cambridge W	ay	Citizenship:	Sri Lanka
	Union City, Californ	nia 94587	•	
Full name of second jo	int inventor:	Jeffrey Meng Wah Ch	nan	
Inventor's Signature:			Date:	
Residence:	Mountain View, Ca	lifornia	-	
Post Office Address:	1984 Latham Street	, Apt. 10	Citizenship:	Malaysian
	Mountain View, Ca	lifornia 94040	•	·
Full name of third join	t inventor:	Michael F. Deering		
Inventor's Signature:	mint I	I une	Date:	11/14/2000
Residence:	Los Altos, Californi	ia /	-	
Post Office Address:	657 Cuesta Drive	-	Citizenship:	U.S.A.
	Los Altos, Californ	ia 94024		
Full name of fourth joi	nt inventor:	Marc Tremblay		
Inventor's Signature:			Date:	
Residence:	Palo Alto, Californi	a	-	
Post Office Address:	801 Waverley Stree	t, Apt. #3	Citizenship:	Canada
	Palo Alto, Californi	a 94301		
Full name of fifth joint	t inventor:	Scott R. Nelson		
Inventor's Signature:			Date:	
Residence:	Pleasanton, Californ	nia	=	
Post Office Address:	4429 Clovewood La	nne	Citizenship:	U.S.A.
	Pleasanton Californ	sia 04588		



# DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below adjacent to my name.

I believe I am the original and joint inventor of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

#### **Accelerated Graphic Operations**

which (check)	is attached hereto.
• • •	and is amended by the Preliminary Amendment attached hereto.
	was filed on August 16, 2000 as Application Serial No.09/640,901.
	and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
Number Country Day/Month/Year Filed				No
N/A	N/A	N/A		$\boxtimes$

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date
N/A	N/A

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the



duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)		
N/A	N/A	N/A		

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Alan H. MacPherson (24,423); Brian D. Ogonowsky (31,988); David W. Heid (25,875); Norman R. Klivans (33,003); Edward C. Kwok (33,938); David E. Steuber (25,557); Michael Shenker (34,250); Stephen A. Terrile (32,946); Peter H. Kang (40,350); Ronald J. Meetin (29,089); Ken John Koestner (33,004); Omkar K. Suryadevara (36,320); David T. Millers (37,396); Michael P. Adams (34,763); Robert B. Morrill (43,817); James E. Parsons (34,691); Philip W. Woo (39,880); Emily Haliday (38,903); Tom Hunter (38,498); Michael J. Halbert (40,633); Gary J. Edwards (41,008); Daniel P. Stewart (41,332); John T. Winburn (26,822); Tom Chen (42,406); Fabio E. Marino (43,339); Don C. Lawrence (31,975); Marc R. Ascolese (42,268); Carmen C. Cook (42,433); David G. Dolezal (41,711); Roberta P. Saxon (43,087); Mary Jo Bertani (42,321); Dale R. Cook (42,434); Sam G. Campbell (42,381); Matthew J. Brigham (44,047); Hugh H. Matsubayashi (43,779); Patrick D. Benedicto (40,909); T.J. Singh (39,535); Shireen Irani Bacon (40,494); Rory G. Bens (44,028); George Wolken, Jr. (30,441); John A. Odozynski (28,769); Cameron K. Kerrigan (44,826); Paul E. Lewkowicz (44,870); Theodore P. Lopez (44,881); Mayankkumar M. Dixit (44,064); Eric Stephenson (38,321); Christopher Allenby (45,906); David C. Hsia (46,235); Mark J. Rozman (42,117); Margaret M. Kelton (44,182); Do Te Kim (46,231); Alex Chen (45,591); Monique M. Heyninck (44,763); Gregory J. Michelson (44,940); Jonathan Geld (44,702); Emmanuel Rivera (45,760); Jason FarHadian (42,523); Matthew J. Spark (43,453); Elaine H. Lo (41,158) Jon Hallman (42,622); Robert Strawbrich (36,692); Rita M. Wisor (41,382); Gregory Powell (47,005); Mark E. Schmidt (47,063); Rachel V. Leiterman (46,868) and Kenneth Olsen (26,493); Timothy J. Crean (37,116); Philip J. McKay (38,966); Robert S. Hauser (37,847); Joseph T. FitzGerald (33,881); Alexander E. Silverman (37,940); Christine S. Lam (37,489); Anirma Rakshpal Gupta (38;275); and Sean Patrick Lewis (42,798).

Please address all correspondence and telephone calls to:

Fabio E. Marino
Attorney for Applicants
SKJERVEN, MORRILL, MacPHERSON, FRANKLIN & FRIEL LLP
25 Metro Drive, Suite 700
San Jose, California 95110-1349

Telephone: 408-453-9200 Facsimile: 408-453-7979

I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001,

ray. Docket No.: SP-2616 US

and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

Full name of first joint	inventor:	Subramania Sudharsa	nan	
Inventor's Signature:			Date:	
Residence:	Union City, Californi	a		
Post Office Address:	4340 Cambridge Way	<i>i</i>	Citizenship:	Sri Lanka
	Union City, Californi	a 94587		
Full name of second jo	int inventor:	Jeffrey Meng Wah Cl	nan	
Inventor's Signature:		·	Date:	
Residence:	Mountain View, Cali	fornia		
Post Office Address:	1984 Latham Street,	Apt. 10	Citizenship:	Malaysian
	Mountain View, Cal	ifornia 94040		
Full name of third join	t inventor:	Michael F. Deering		
Inventor's Signature:			Date:	
Residence:	Los Altos, California	1		-
Post Office Address:	657 Cuesta Drive		Citizenship:	U.S.A.
	Los Altos, California	a 94024		
Full name of fourth jo	int inventor:	Marc Tremblay		
Inventor's Signature:			Date:	
Residence:	Palo Alto, California	a		
Post Office Address:	801 Waverley Street	t, Apt. #3	Citizenship:	Canada
	Palo Alto, California	a 94301		
Full name of fifth join	nt inventor:	Scott R. Nelson		
<b>Ju</b>				
Inventor's Signature:	Scott R. Nuls	o	Date:	24-Nov-2000
Residence:	Pleasanton, Californ	nia		
Post Office Address:	4429 Clovewood La	ane	Citizenship:	U.S.A.
	Pleasanton, Californ	nia 94588		